

Match Overview

- 1** **Crossref** 37 words
Hsin Tseng, Teresa Ju, Hsin-Ti Lin, Alexander Wang, Yi-Chin g Lai. "390: Transvenous Pacing Through Coronary Sinus ir ... 2%
- 2** **Internet** 16 words
crawled on 22-Dec-2020
www.wjgnet.com 1%

Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 61499

Manuscript Type: CASE REPORT

Temporary coronary sinus pacing to improve ventricular dyssynchrony with cardiogenic shock: A case report and review of literature

Ju T et al. Temporary pacing through coronary sinus

Abstract

BACKGROUND

Temporary transvenous pacing through coronary sinus is a novel approach rarely used in treating unstable bradycardia. This modality could provide cardiac pacing while achieving better ventricular synchrony. We here present a case who received cardiac pacing through coronary sinus and provide a summary of evidence in current literature.

CASE SUMMARY

Temporary coronary sinus pacing to improve ventricular dyssynchro



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Biventricular Pacing to Treat Heart Failure

<https://www.webmd.com/heart-disease/heart-failure/biventricular-pacing> ▾

Nov 07, 2003 - In the normal heart, the lower chambers (ventricles) pump at the same time and in sync with the heart's upper chambers (atria).. When a person has heart failure, often the right and left ...

Cardiac Implantable Electronic Device Therapy in Heart ...

<https://www.ahajournals.org/doi/10.1161/CIRCRESAHA.118.313571>

May 23, 2019 - The study randomized 691 patients to standard right ventricular pacing or biventricular pacing. The primary outcome was the time to death from any cause, an urgent care visit for heart failure that required intravenous therapy, or a 15% or more increase in the left ventricular ...

Cited by: 7

Author: Ayman A. Hussein, Bruce L. Wilkoff

Publish Year: 2019

Contemporary Management of Cardiogenic Shock: A ...

<https://www.ahajournals.org/doi/10.1161/CIR.0000000000000525>

Definition of CS

Historical Perspectives

Pathophysiology

Hemc



Acute cardiac hemodynamic instability may result from disorders that impair function of the myocardium, valves, conduction system, or pericardium, either in isolation or in combination. CS is pragmatically defined as a **state in which ineffective cardiac output caused by a primary cardiac disorder results in both clinical and biochemical manifestations of inadequate tissue perfusion**. The clinical presentation is typically characterized by persistent hypotension unresponsive to volume replacement...

[See more on ahajournals.org](#)

Cited by: 476

Author: Sean van Diepen, Jason N. Katz, Nancy ...

Publish Year: 2017

List of Excluded Studies - Use of Cardiac ...

<https://www.ncbi.nlm.nih.gov/pubmedhealth/PMH0078826>

Rinaldi CA, Kranig W, Leclercq C, Kacet S, Betts T, Bordachar P, Gutleben K-J, Shetty A, Keel A, Ryu K, Farazi TG, Simon M, Naqvi TZ. Acute effects of multisite left ventricular pacing on mechanical dyssynchrony in patients receiving cardiac resynchronization therapy. J. Card. Fail. 2013;731-738. [PubMed: 24263116]

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Cardiac Resynchronization Therapy - The Cardiology Advisor

<https://www.thecardiologyadvisor.com/home/decision...> ▼



Jan 20, 2019 · Cardiac resynchronization therapy (CRT), also known as biventricular (biV) **pacing**, is an important component of the total management of patients with heart ...

Estimated Reading Time: 7 mins

Efficacy of Cardiac Resynchronization in Acutely Infarcted ...

europepmc.org/articles/PMC4188793

Oct 01, 2014 · In practice, acute initiation of CRT would involve **temporary coronary sinus pacing** following revascularization, ideally with an atrial lead for A-V synchrony (depending on the patient). This approach would allow CRT to act as an adjunctive therapy to an intra-aortic balloon pump and/or intravenous inotropic agents in patients **with cardiogenic shock**, poor LVEF, and LBBB.

Cited by: 2

Author: Grant V. Chow, Michael G. Silverman, Richa...

Publish Year: 2014

2015 ACC/AHA/HRS Guideline for the Management of Adult ...

<https://www.ahajournals.org/doi/full/10.1161/CIR.0000000000000311>

These findings were confirmed in a study performed in the electrophysiological (EP) laboratory: When **pacing** was used to replicate the timing of **ventricular** and atrial activation during SVT, the decrease in BP was greatest with simultaneous ventriculoatrial timing, smaller with a short ventriculoatrial interval, and smallest with a long ventriculoatrial interval. 71 An **increase** in central venous pressure followed the same trend. Sympathetic nerve activity increased with all 3 **pacing** ...

Cited by: 356

Author: Richard L. Page, José A. Joglar, Mary A. Ca...

Publish Year: 2016

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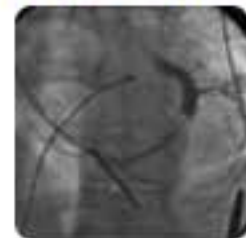
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Cardiac Resynchronization Therapy - The Cardiology Advisor

<https://www.thecardiologyadvisor.com/home/decision...> ▾

Jan 20, 2019 · Occasionally, left **ventricular pacing** thresholds may **increase** after device implantation, usually due to lead microdislodgement. Ongoing device checks will ensure that there is adequate **pacing** output for **ventricular** capture. Often a change in the left...

Haemodynamic evaluation of alternative left ventricular ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4692838>

Noteworthy, and similar to what has previously been reported, endocardial **pacing** opposite the **coronary sinus pacing** site did not **improve** the AHR in our study [11–13]. This is in contrast with animal experiments that show significantly better haemodynamic results with endocardial vs. epicardial **pacing** at the same location . There is no clear ...

Cited by: 7

Author: B.M. van Gelder, R. Nathoe, F.A. Bracke

Publish Year: 2016

Efficacy of Cardiac Resynchronization in Acutely Infarcted ...

europepmc.org/articles/PMC4188793

Oct 01, 2014 · In practice, acute initiation of CRT would involve **temporary coronary sinus pacing** following revascularization, ideally with an atrial lead for A-V synchrony (depending on the patient). This approach would allow CRT to act as an adjunctive therapy to an intra-aortic balloon pump and/or intravenous inotropic agents in patients **with cardiogenic shock**, poor LVEF, and LBBB.

Cited by: 2

Author: Grant V. Chow, Michael G. Silverman, Richa...

Publish Year: 2014

Ventricular Pump Function and Pacing | Circulation ...

<https://www.ahajournals.org/doi/full/10.1161/circep.108.777904>

The increased risk of heart failure associated with RVA **pacing** superimposed on LBBB and myocardial infarction provides clinical evidence that **pacing** worsens preexisting **ventricular** conduction delay as demonstrated in endocardial mapping studies >20 years ago. 14 RVA **pacing**–induced conduction delays exceeded spontaneous LBBB conduction delays in heart failure patients (EF <40%) compared with patients with normal EF, and the **pacing** ...

Cited by: 80

Author: Michael O. Sweeney, Frits W. Prinzen